International application No.

PCT/AU2004/001833

A.	CLASSIFICATION OF SUBJECT MATTER				
	A61M 16/00				
	International Patent Classification (IPC) or to both man	ational classification and IPC			
	FIELDS SEARCHED				
	mentation searched (classification system followed by class	sification symbols)			
•					
	searched other than minimum documentation to the exten		ned		
DWPI:IPC A	base consulted during the international search (name of de A61M & keywords: (breath, CPAP, ventilator, r synchronise, phase, predetermine, nasal, nose, r	espirator, sense, detect, control, regulate, p	ressure, time, and similar		
C.	DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appro	opriate, of the relevant passages	Relevant to claim No.		
· x	GB 2294400 A (INNOVATIVE MEDICAL SYSTEMS INC) 1 May 1996 Whole document				
A	EP 0188071 B1 (TOTTORI UNIVERSITY) 3 August 1988 Whole document				
Α	DE 10164446 A1 (MAP MEDIZIN-TECHNO Whole document	DLOGIE GMBH) 10 July 2003	1-17		
. X I	Further documents are listed in the continuation	of Box C X See patent family ann	ex		
"A" docume	sidered to be of particular relevance cor	or document published after the international filing date or puffict with the application but cited to understand the principal ferlying the invention	riority date and not in ble or theory		
	application or patent but published on or after the "X" doc ional filing date or or or alor	cument of particular relevance; the claimed invention canno cannot be considered to involve an inventive step when the ne	document is taken		
or which	ant which may throw doubts on priority claim(s) h is cited to establish the publication date of citation or other special reason (as specified)	oument of particular relevance; the claimed invention canno olve an inventive step when the document is combined with th documents, such combination being obvious to a person s	one or more other		
or other	means	current member of the same patent family			
	ent published prior to the international filing date r than the priority date claimed				
Date of the act	ual completion of the international search	Date of mailing of the international search report			
17 February		2 3 FEB 200	5		
	ling address of the ISA/AU	Authorized officer			
	N PATENT OFFICE WODEN ACT 2606, AUSTRALIA	KADEN MOLANTE			
E-mail address	s: pct@ipaustralia.gov.au	KAREN VIOLANTE Telephone No: (02) 6283 7933			
racsimile No.	(02) 6285 3929	100pholie 110 . (02) 0203 1733			

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C (Continuation	n). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0956877 B1 (SIEMENS-ELEMA AB) 26 November 2003 Whole document	1-17
A	WO 2000/047260 A1 (MALLINCKRODT DEVELOPPEMENT FRANCE) 17 August 2000 Whole document	1-17
A	JP 2001259036 A (TEIJIN LTD) 25 September 2001 Whole document	1-17
A	AU 40463/95 (703829) B2 (SUNRISE MEDICAL HHG INC) 4 April 1999 Whole document	1-18
, A	WO 2003/039637 A1 (FISHER & PAYKEL HEALTHCARE LIMITED) 15 May 2003 Whole document	18
P,A	WO 2004/078246 A1 (RESMED LIMITED) 16 September 2004 Whole document	18
P,A	JP 2004105230 A (TEIJIN LTD) 8 April 2004 Whole document	18
· •		

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Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This internation	nal search report has not been established in respect of certain claims under Article 17(2)(a) for the following
1. Cla	aims Nos.:
bec	cause they relate to subject matter not required to be searched by this Authority, namely:
	·
2. Cla	aims Nos.:
L	cause they relate to parts of the international application that do not comply with the prescribed requirements to such
	extent that no meaningful international search can be carried out, specifically:
3. Cla	aims Nos.:
	cause they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Internatio	nal Searching Authority found multiple inventions in this international application, as follows:
See attach	ed sheet
	all required additional search fees were timely paid by the applicant, this international search report covers all archable claims.
	all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite yment of any additional fee.
	only some of the required additional search fees were timely paid by the applicant, this international search report vers only those claims for which fees were paid, specifically claims Nos.:
4 D No	required additional search fees were timely paid by the applicant. Consequently, this international search report is
	stricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Pr	The additional search fees were accompanied by the applicant's protest.
	X No protest accompanied the payment of additional search fees.

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JUD	итси	исці	.a	LULA

(To be used when the space in any of Boxes I to VIII is not sufficient)

Continuation of Box No: III

The international application does not comply with the requirements of unity of invention because it does not relate to one invention or to a group of inventions so linked as to form a single general inventive concept. In coming to this conclusion the International Searching Authority has found that there are different inventions as follows:

- 1. Claims 1-17 are directed to CPAP apparatus and a method of controlling the blower operation. It is considered that the step of 'controlling the pressure in synchrony with the patient's breathing cycles' comprises a first "special technical feature".
- 2. Claim 18 is directed to a method of detecting the presence of mouth leak. It is considered that the 'method steps' comprises a second "special technical feature".

Since the above mentioned groups of claims do not share any of the technical features identified, a "technical relationship" between the inventions, as defined in PCT rule 13.2 does not exist. Accordingly the international application does not relate to one invention or to a single inventive concept, a priori.

It is considered that search and examination for the second invention will require more than a little additional search and examination effort over that for the first invention, and therefore an additional search fee is warranted.

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member				
GB	2294400	CA	2161374	DE	19540344	FR	2726191
		US	5645054	wo	1993/024169		
EP	0188071	CA	1262223	JР	61131756	US	4681099
DE	10164446		NONE				
EP	0956877	JР	2000000307	US	6240920		
wo	2000/047260	CA	2361629	EP	1150731	FR	2789592
		US	6761167				
JР	2001259036		NONE				
AU	4046395	AU	13181/99	AU	40463/95	AU	93238/98
	•	\mathbf{BR}	9505908	CA	2163855	EP	0722747
		US	5551419	•	•		
wo	2003/039637	,	NONE			•	
wo	2004/078246	US	2004231670				
ЛР	2004105230		NONE	•	,		

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX